

Prof.Dr. Ahmet Selim DALKILIÇ

Kişisel Bilgiler

İş Telefonu: [+90 212 383 2821](tel:+902123832821)

Fax Telefonu: [+90 212 383 3034](tel:+902123833034)

E-posta: dalkilic@yildiz.edu.tr

Diğer E-posta: ahmet_selim_dalkilic@hotmail.com

Web: <https://scholar.google.com/citations?user=7ma2im4AAAAJ&hl=en>

Posta Adresi: Yıldız Teknik Üniversitesi Barbaros Bulvarı E1 Blok Kat2 No17 Yıldız Beşiktaş
34349 İstanbul



Uluslararası Araştırmacı ID'leri

ScholarID: 7ma2im4AAAAJ

ORCID: 0000-0002-5743-3937

Publons / Web Of Science ResearcherID: G-2274-2011

ScopusID: 24479329000

Yoksis Araştırmacı ID: 107304

Eğitim Bilgileri

Post Doktora, King Mongkut's University Of Technology Thonburi, Makina Fakültesi, Makina Mühendisliği Bölümü, Tayland 2006 - 2007

Doktora, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Türkiye 1999 - 2006

Yüksek Lisans, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Türkiye 1996 - 1999

Lisans, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Türkiye 1992 - 1996

Biyografi

World Ranking of Top 2% Scientists by Stanford University

Citation metrics are widely used and misused. We have created a publicly available database of over 100,000 top scientists that provides standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions, and a composite indicator. Separate data are shown for career-long and single-year impacts. Metrics with and without self-citations and the ratio of citations to citing papers are given. Scientists are classified into 22 scientific fields and 176 sub-fields. Field- and subfield-specific percentiles are also provided for all scientists who have published at least 5 papers. The selection is based on the top 100,000 by c-score (with and without self-citations) or a percentile rank of 2% or above.

The dataset and code provide an update to previously released version 1 data under

<https://doi.org/10.17632/btchxktyw.1>

The version 2 dataset is based on the May 06, 2020, snapshot from Scopus and is updated to the citation year 2019 available at <https://doi.org/10.17632/btchxktyw.2>

This version (3) is based on the Aug 01, 2021, snapshot from Scopus and is updated to the citation year 2020,

<https://elsevier.digitalcommonsdata.com/datasets/btchxktyw/3>

This version (4) is based on the Sept 1, 2022, snapshot from Scopus, updated to the end of the citation year 2021, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>

Ahmet Selim Dalkilic has been in the top 2% of world scientist lists announced up to now with his continuous high performance.

According to AD Scientific Index 2022, His ranking on Mechanical Engineering and Engineering & Technology in Yildiz Technical University, Turkey, Europe, and World can be seen from the link, <https://www.adscientificindex.com/scientist.php?id=191142>

Academic Performance in Yildiz Technical University's Mechanical Engineering Department and Faculty

Year	Academic Performance Score	Rank Amongst Professors in Faculty	Rank Amongst All Researchers in Faculty	Rank Amongst Professor in Department	Rank Amongst All Researchers in Department
Past	1729.41*	3/159	3/240	3/48	3/65
2014	346.02*	1/135	1/204	1/46	1/62
2015	348.45*	1/133	1/206	1/45	1/64
2016	572.99*	1/131	1/202	1/45	1/64
2017	756.71*	1/129	1/197	1/45	1/64
2018	673.58*	2/130	2/199	2/45	2/64
2019	728.69*	2/130	2/199	2/45	2/64
2020	837.50*	2/132	2/206	2/46	2/65
2021	887.94*	1/134	1/211	1/46	1/65
2022	907.92*	1/135	1/218	1/46	1/65
TOTAL	7800.01*	1/109	1/163	1/43	1/59

Yabancı Diller

İngilizce, B1 Orta

Yaptığı Tezler

Doktora, Düşey Borularda Yoğuşmada Isı Taşınım Katsayısının Araştırılması , Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2007

Yüksek Lisans, Kapalı olimpik yüzme havuzlarında iklim koşullarının sağlanması , Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 1999

Araştırma Alanları

Makina Mühendisliği, Enerji, Diğer Yenilenebilir Enerji Sistemleri, Termodinamik, Isı ve Madde Transferi, Isıtma, Soğutma ve Havalandırma, Isıl Sistemler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2020 - Devam Ediyor

Doç.Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2014 - 2020

Yrd.Doç.Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2011 - 2014

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 1997 - 2011

Akademik İdari Deneyim

Mevlana Değişim Programı Koordinatörü, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2018 - Devam Ediyor

Erasmus Koordinatörü, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2008 - 2014

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2007 - 2008

Verdiği Dersler

Isıl ve Mekanik Sistem Tasarımı, Lisans, 2018 - 2019

Akışkanlar Mekaniği 1, Lisans, 2018 - 2019, 2017 - 2018, 2014 - 2015, 2013 - 2014, 2012 - 2013

Akıllı Binalarda Mekanik Tesilat ve Elemanları, Lisans, 2019 - 2020, 2017 - 2018, 2015 - 2016

Araştırma Yöntemleri ve Bilimsel Etik, Yüksek Lisans, 2019 - 2020

Soğutma ve İklimlendirme Esasları, Lisans, 2018 - 2019

Isı Transferi, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018

İleri Termodinamik, Yüksek Lisans, 2019 - 2020

Akışkanlar Mekaniği 1, Lisans, 2019 - 2020

Thermodynamics, Lisans, 2018 - 2019

Isı Değiştiricileri, Lisans, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013

Enerji Sistemlerinin II. Kanun Analizi ve Ekserji, Yüksek Lisans, 2018 - 2019, 2015 - 2016

İklimlendirme ve Akıllı Sistemler, Yüksek Lisans, 2018 - 2019, 2017 - 2018

Seminer, Yüksek Lisans, 2016 - 2017, 2015 - 2016

İklimlendirmede Yalıtım Sistemleri, Lisans, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bina Otomasyonu ve İşletmesi, Lisans, 2016 - 2017, 2015 - 2016

Isı Transferi 1, Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Termodinamik 1, Lisans, 2013 - 2014

Konveksiyon ve Radyasyonda Özel Konular, Yüksek Lisans, 2012 - 2013

Thermodynamics 2, Lisans, 2011 - 2012

Fluid Mechanics, Lisans, 2011 - 2012

Termodinamik 2, Lisans, 2012 - 2013

Thermodynamics 1, Lisans, 2011 - 2012

Makina Mühendisliğine Giriş 2, Lisans, 2011 - 2012

Yönetilen Tezler

Dalkılıç A. S., Sözbir N., Yer Sabit Uydularda Isıl Kontrol Sistemi Ön Tasarımı Ve Sonlu Elemanlar Metodunda Ağ Yapısı/Simülasyon Parametrelerinin Optimizasyonu, Yüksek Lisans, Y.MURAT(Öğrenci), 2022

Dalkılıç A. S., Çolak A. B., Denizaltılarda Optimum Yalıtım Kalınlığının Belirlenmesi, Yüksek Lisans, S.DURMAZ(Öğrenci), 2022

Dalkılıç A. S., Açıkgöz Ö., BİR YÜZEYİNE RADYANT SOĞUTMA UYGULANAN KAPALI BİR HACİMDE CEBRİ HAVALANDIRMANIN ISI GEÇİŞİ KARAKTERİSTİKLERİNE ETKİSİNİN İNCELENMESİ , Doktora, M.CAMCI(Öğrenci), 2022

Dalkılıç A. S., YÜKSEK ALEV HIZLARINA SAHİP ENDÜSTRİYEL YAKICILARDA YANMA SONUCU OLUŞAN EMİSYONLARIN DENEYSEL VE NÜMERİK OLARAK İNCELENMESİ, Yüksek Lisans, B.Kılıç(Öğrenci), 2022

Akyol E., Dalkılıç A. S., Katkı Maddesi Varlığında Nano Titanyum Dioksit Eldesi Ve Nanoakışkan Olarak Kullanımının İncelenmesi, Yüksek Lisans, R.ARSLAN(Öğrenci), 2022

Dalkılıç A. S., Boğoçlu M. E., Kuş çarpmasına maruz kalan kompozit yapıların analizinde tam bağlantılı sinir ağları kullanarak tahmin modelinin geliştirilmesi, Doktora, Z.HASILCI(Öğrenci), 2022

Dalkılıç A. S., Mercan H., Helezon borulu ısı değiştiricilerinin optimizasyonu, Yüksek Lisans, D.AKGÜL(Öğrenci), 2021

Dalkılıç A. S., Taner T., Kojenerasyon Tesislerinde Kömür ile Biyokütle Kullanımının Kazan Verimine Etkisinin incelenmesi, Yüksek Lisans, Ş.Berber(Öğrenci), 2020

Dalkılıç A. S., Düz ve Helisel Borularda Koruge Yüzeylerin Kullanımının Isı Geçişi Karakteristiklerine Etkisinin Sayısal Olarak İncelenmesi, Yüksek Lisans, Ş.METİN(Öğrenci), 2020

Dalkılıç A. S., Dört kanallı burulmuş şerit eklenmiş düz boru içerisinde hibrit nano partiküllü su akışında ısı transferi ve basınç düşümünün deneysel olarak incelenmesi, Yüksek Lisans, O.ALPEREN(Öğrenci), 2020

Dalkılıç A. S., BİR MAHALIN TERMAL KONFOR ŞARTLARININ HESAPLAMALI AKIŞKANLAR DINAMIĞI YÖNTEMİ İLE ANALIZI, Yüksek Lisans, S.ÖZSAĞIROĞLU(Öğrenci), 2020

Dalkılıç A. S., Borulu Tip Isı Değiştiricilerinde Laminar Akışta Nümerik Olarak Isı Geçişi Karakteristiklerinin Araştırılması, Yüksek Lisans, O.DALLI(Öğrenci), 2019

Dalkılıç A. S., AĞIR TİCARİ ARAÇLARDA RADYATÖR KAPASİTESİNİN DENEYSEL OLARAK TAYİNİ, Yüksek Lisans, H.FURKAN(Öğrenci), 2019

Dalkılıç A. S., Yapay Sinir Ağları Yöntemiyle Doğalgaz Şehir Giriş İstasyonlarının Projelendirilmesi, Yüksek Lisans, V.BALIKÇI(Öğrenci), 2019

Dalkılıç A. S., Yumurtacı Z., Döşemeden ısıtma ve soğutma sistemlerinin ısı transferi karakteristiklerinin incelenmesi, Doktora, Y.KARAKOYUN(Öğrenci), 2019

Dalkılıç A. S., Mikrokanallı ısı alıcılarında akan R134A'nın kaynamasının deneysel olarak araştırılması, Yüksek Lisans, C.ÖZMAN(Öğrenci), 2019

Dalkılıç A. S., Bayrak M., Grafit bazlı bir nanosivinin ticari bir mikrokanalda soğutma performansının deneysel olarak incelenmesi, Doktora, O.YILDIZ(Öğrenci), 2018

Dalkılıç A. S., Nanoakışkanlı çift borulu ısı değiştiricilerin optimizasyonu, Yüksek Lisans, G.ÖZÇELİK(Öğrenci), 2018

Dalkılıç A. S., Yatay mikrokanatlı borularda kaynama ısı taşınım katsayısının ve basınç düşümünün araştırılması, Doktora, A.CELEN(Öğrenci), 2018

Dalkılıç A. S., Karbon nanotüplü kompresör yağlarının dinamik viskozitelerinin deneysel incelenmesi, Yüksek Lisans, H.TARIK(Öğrenci), 2017

Dalkılıç A. S., Mikrokanallı ısı değiştiricilerinde tek fazlı türbülanslı akışın deneysel incelenmesi, Yüksek Lisans, S.YILMAZ(Öğrenci), 2017

Dalkılıç A. S., Theoretical investigation of the use of nanorefrigerants in various refrigeration cycles, Yüksek Lisans, M.AKTAŞ(Öğrenci), 2014

Dalkılıç A. S., İç yüzeyi pürüzsüz ve mikrokanatlı düşey borular içinde akan saf suyun basınç düşümünün deneysel olarak belirlenmesi, Yüksek Lisans, A.ÇEBİ(Öğrenci), 2014

Dalkılıç A. S., Experimental analysis of the single phase pressure drop characteristics of smooth and microfin tubes, Yüksek Lisans, A.CELEN(Öğrenci), 2013

Dalkılıç A. S., Numerical investigation of the single phase forced convection heat transfer characteristics of nanofluids flowing in enhanced tubes, Yüksek Lisans, N.KAYACI(Öğrenci), 2012

Jüri Üyelikleri

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Trakya Üniversitesi, Mayıs, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Experimental and numerical investigations on the heat transfer characteristics of a real-sized radiant cooled wall system supported by machine learning**
Çolak A. B., Acikgoz Ö., Karakoyun Y., Koca A., Dalkılıç A. S.
International Journal of Thermal Sciences, cilt.191, 2023 (SCI-Expanded)
- II. **A sensitivity analysis of the effect of curvature ratio on the thermal-hydraulic performance in helically coiled tubes with corrugated walls**
Kırkar Ş. M., Gönül A., Dalkilic A. S.
International Journal of Thermal Sciences, cilt.190, 2023 (SCI-Expanded)
- III. **Performance of refrigerants employed in rooftop air-conditioners**
Suerdem K., Taner T., Açıkgoz Ö., Dalkilic A. S., Panchal H.
JOURNAL OF BUILDING ENGINEERING, cilt.70, ss.1-19, 2023 (SCI-Expanded)
- IV. **The influence of particle size on the viscosity of water based ZnO nanofluid**
Yalçın G., Öztuna S., Dalkılıç A. S., Wongwises S.
AEJ - ALEXANDRIA ENGINEERING JOURNAL, cilt.68, ss.561-576, 2023 (SCI-Expanded)
- V. **Multi-objective optimization of single-phase flow heat transfer characteristics in corrugated tubes**
Kırkar Ş. M., Gönül A., Celen A., Dalkilic A. S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.186, ss.1-21, 2023 (SCI-Expanded)
- VI. **Reduction of emissions with cow urine as a catalyst in SCR system using response surface methodology**
Tirpude R., Katare P., Rajurkar S., Awari G., DALKILIÇ A. S., Wongwises S.
Alexandria Engineering Journal, cilt.67, ss.707-721, 2023 (SCI-Expanded)
- VII. **Prediction of nanofluid flows' optimum velocity in finned tube-in-tube heat exchangers using artificial neural network**
Çolak A. B., Mercan H., Açıkgoz Ö., Dalkılıç A. S., Wongwises S.
Kerntechnik, cilt.88, sa.1, ss.100-113, 2023 (SCI-Expanded)
- VIII. **Prediction of heat transfer characteristics in a microchannel with vortex generators by machine learning**
Gönül A., Çolak A. B., Kayaci N., Okbaz A., Dalkılıç A. S.
Kerntechnik, cilt.88, sa.1, ss.80-99, 2023 (SCI-Expanded)
- IX. **An Experimental Case Study on the Effect of Condenser Geometry in a Refrigerator: Sub-Cooling and Coefficient of Performance Issues**
Borikar S. A., Borikar D. A., Panchal H., Cuce E., Dalkılıç A. S., Alrubaie A. J., Jaber M. M.
INTERNATIONAL JOURNAL OF REFRIGERATION, cilt.146, sa.2, ss.1-10, 2023 (SCI-Expanded)
- X. **A 3-D FSI SIMULATION FOR THE PERFORMANCE PREDICTION AND VALVE DYNAMIC ANALYSIS OF A HERMETIC RECIPROCATING COMPRESSOR**
Bacak A., Pınarbaşı A., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF REFRIGERATION, cilt.146, sa.2, ss.1-15, 2023 (SCI-Expanded)
- XI. **A new distributor selection methodology for refrigeration cycles**
Hacimusalar H. A., Özdemir M. R., Sökücü M. H., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.29, sa.1/2, ss.16-29, 2023 (SCI-Expanded)
- XII. **Estimation of heat transfer parameters of shell and helically coiled tube heat exchangers by machine learning**
Çolak A. B., Akgul D., Mercan H., Dalkılıç A. S., Wongwises S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.42, ss.1-12, 2023 (SCI-Expanded)

- XIII. **An experimental study on the determination of a hermetic reciprocating compressor's discharge and suction losses**
Bacak A., PINARBAŞI A., DALKILIÇ A. S.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023 (SCI-Expanded)
- XIV. **Experimental investigation of selective catalytic reduction system on CI engine for NO_x reduction using urea and animal urine as catalyst**
Dalkılıç A. S., Wongwises S., Karagöz Y., Rajurkar S., Awari G., Katare P., Tirpude R. B.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.30, sa.1, ss.17-32, 2023 (SCI-Expanded)
- XV. **Artificial neural network approach for investigating the impact of convector design parameters on the heat transfer and total weight of panel radiators**
Calisir T., Çolak A. B., Aydın D., Dalkilic A. S., Baskaya S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.183, sa.January, ss.1-12, 2023 (SCI-Expanded)
- XVI. **Research on the influence of convector factors on a panel radiator's heat output and total weight with a machine learning algorithm**
Calisir T., Çolak A. B., Aydın D., Dalkilic A. S., Baskaya S.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.138, sa.1, ss.1-10, 2023 (SCI-Expanded)
- XVII. **An experimental investigation on the radiant cooled wall's heat transfer characteristics in a fully conditioned real-sized living environment**
Koca A., Karakoyun Y., Acikgoz Ö., Dogu M., Dalkilic A. S.
Energy and Buildings, cilt.277, 2022 (SCI-Expanded)
- XVIII. **Discharging performance prediction of experimentally tested sorption heat storage materials with machine learning method**
Çolak A. B., Aydın D., Al-Ghosini A., Dalkilic A. S.
JOURNAL OF ENERGY STORAGE, cilt.56, ss.1-11, 2022 (SCI-Expanded)
- XIX. **An experimental study of the air-side performance of a novel louver spiral fin-and-tube heat exchanger**
Kiatpachai P., Keawkamrop T., Asirvatham L. G., Mesgarpour M., DALKILIÇ A. S., Ahn H. S., Mahian O., Wongwises S.
Alexandria Engineering Journal, cilt.61, ss.9811-9818, 2022 (SCI-Expanded)
- XX. **Experimental investigation of mixed and forced convection generated by displacement ventilation with radiant wall heating**
Camci M., Karakoyun Y., Acikgoz Ö., Dalkilic A. S.
International Communications in Heat and Mass Transfer, cilt.139, 2022 (SCI-Expanded)
- XXI. **Novel design of a liquid-cooled heat sink for a high-performance processor based on constructal theory: A numerical and experimental approach**
Sakamatapan K., Mesgarpour M., Kaew-On J., Selim Dalkılıç A. S., Seon Ahn H., Mahian O., Wongwises S.
ALEXANDRIA ENGINEERING JOURNAL, cilt.61, sa.12, ss.10341-10358, 2022 (SCI-Expanded)
- XXII. **Numerical Modeling of Interactions between Solitary Waves and Floating Breakwaters**
Malazi M. T., DALKILIÇ A. S., Wongwises S.
Journal of Applied Fluid Mechanics, cilt.15, sa.6, ss.1675-1691, 2022 (SCI-Expanded)
- XXIII. **Parametric optimization of heat transfer characteristics for helical coils**
Akgul D., Mercan H., Dalkılıç A. S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.147, sa.22, ss.12577-12594, 2022 (SCI-Expanded)
- XXIV. **Numerical determination of condensation pressure drop of various refrigerants in smooth and micro-fin tubes via ANN method**
Colak A. B., CELEN A., DALKILIÇ A. S.
KERNTECHNIK, cilt.87, sa.5, ss.506-519, 2022 (SCI-Expanded)
- XXV. **Dynamic simulation and exergy analysis of an Organic Rankine Cycle integrated with vapor compression refrigeration system**
Malwe P. D., Shaikh J., Gawali B. S., Panchal H., DALKILIÇ A. S., Rahman S., Alrubaie A. J.
Sustainable Energy Technologies and Assessments, cilt.53, 2022 (SCI-Expanded)

- XXVI. **An investigation of the thermal behavior of constructal theory-based pore-scale porous media by using a combination of computational fluid dynamics and machine learning**
Mesgarpour M., Sakamatapan K., Dalkılıç A. S., Alizadeh R., Ahn H. S., Wongwises S.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.194, sa.September, ss.1-18, 2022 (SCI-Expanded)
- XXVII. **Prediction of heat transfer coefficient, pressure drop, and overall cost of double-pipe heat exchangers using the artificial neural network**
Çolak A. B., Açıköz Ö., Mercan H., Dalkılıç A. S., Wongwises S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.39, sa.November, ss.1-30, 2022 (SCI-Expanded)
- XXVIII. **Machine learning approach to predict the heat transfer coefficients pertaining to a radiant cooling system coupled with mixed and forced convection**
Açıköz Ö., Çolak A. B., Camcı M., Karakoyun Y., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.178, ss.1-14, 2022 (SCI-Expanded)
- XXIX. **Measurement of thermal conductivity and viscosity of ZnO-SiO₂ hybrid nanofluids**
Yalçın G., ÖZTUNA S., DALKILIÇ A. S., Wongwises S.
Journal of Thermal Analysis and Calorimetry, cilt.147, sa.15, ss.8243-8259, 2022 (SCI-Expanded)
- XXX. **New flow boiling frictional pressure drop multipliers for smooth and microfin tubes**
CELEN A., DALKILIÇ A. S.
KERNTECHNIK, cilt.87, ss.420-451, 2022 (SCI-Expanded)
- XXXI. **Effect of the segmented fin height on the air-side performance of serrated welded spiral fin-and-tube heat exchangers**
Keawkamrop T., Mesgarpour M., Dalkılıç A. S., Ahn H. S., Mahian O., Wongwises S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.35, ss.1-13, 2022 (SCI-Expanded)
- XXXII. **An experimental study on the heat transfer characteristics over a radiant cooled wall exposed to mixed and forced convection driven by displacement ventilation**
Camcı M., Karakoyun Y., Açıköz Ö., Dalkılıç A. S.
International Communications in Heat and Mass Transfer, cilt.135, 2022 (SCI-Expanded)
- XXXIII. **Experimental comparison of heat transfer characteristics of Enhanced Truck Radiators**
Mercan H., Sonmez F., Dalkılıç A. S., Wongwises S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.35, ss.2-13, 2022 (SCI-Expanded)
- XXXIV. **Prediction of battery thermal behaviour in the presence of a constructal theory-based heat pipe (CBHP): A multiphysics model and pattern-based machine learning approach**
Boonma K., Mesgarpour M., NajmAbad J. M., Alizadeh R., Mahian O., DALKILIÇ A. S., Ahn H. S., Wongwises S.
Journal of Energy Storage, cilt.48, 2022 (SCI-Expanded)
- XXXV. **Prediction of experimental thermal performance of new designed cold plate for electric vehicles' Li-ion pouch-type battery with artificial neural network**
Kalkan O., Colak A. B., Celen A., Bakirci K., Dalkılıç A. S.
Journal of Energy Storage, cilt.48, 2022 (SCI-Expanded)
- XXXVI. **Determination of heat transfer rates of heavy-duty radiators for trucks having flattened and double-U grooved pipes with louvered fins by ANN method: an experimental study**
Mercan H., Sonmez F., Çolak A. B., Dalkılıç A. S.
European Physical Journal Plus, cilt.137, sa.3, ss.1-26, 2022 (SCI-Expanded)
- XXXVII. **Air-side performance of embedded and welded spiral fin and tube heat exchangers**
Kiatpachai P., Kaewkamrop T., Mesgarpour M., Ahn H. S., DALKILIÇ A. S., Mahian O., Wongwises S.
Case Studies in Thermal Engineering, cilt.30, 2022 (SCI-Expanded)
- XXXVIII. **CFD analyses on the thermal comfort conditions of a cooled room: a case study**
Ozsagioglu S., Camcı M., Taner T., Açıköz Ö., Dalkılıç A. S., Wongwises S.
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- XXXIX. **Development of a prediction model using fully connected neural networks in the analysis of composite structures under bird strike**
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XXV. A research on heat transfer characteristics of hairpin heat exchangers numerically

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XXVII. Numerical Optimization of Pin Fin Heat Sink for Electronic Cooling

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- XXXIX. **CFD analyses on the cooling of electronic chipsets using various types of heat sinks**
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- XL. **Experimental apparatus for the determination of heat transfer coefficients for radiant heating/cooling systems**
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- XLI. **Experimental Analyses on the Single Stage Vapor Compression Cycle**
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- XLIV. **Determination of the Viscosity of refrigeration Compressor Oils Withcarbon Nanotubes**
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- XLV. **CFD ANALYSIS ON THE INNER FLUID'S OPTIMUM VELOCITY IN A PIPE IN PIPE HEAT EXCHANGER**
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- L. An experimental investigation on the use of natural gas diesel fuel mixture on performance and emissions of a CI engine**
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- LXVIII. **A critical review on condensation heat transfer in microchannels and minichannels**
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- LXXIII. Determination of pressure drop of pure water flowing upward direction in a double tube heat exchanger having smooth and microfin tubes**
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- LXXIV. Refrigerated railroad car design for shipping frozen meat using alternative refrigerants**
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- LXXV. Performance comparison of various VRV systems for a bank application**
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- LXXVI. Smoke control of a car park by means of CFD analyses using jet fans**
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- LXXVII. Application of artificial neural networks to predict heat transfer from buried pipe for ground source heat pump applications**
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- LXXVIII. Fundamental basis and application of cold-room project design: A case study of frigoship**
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Metrikler

Yayın: 319

Atıf (WoS): 3544

Atıf (Scopus): 4070

H-İndeks (WoS): 33

H-İndeks (Scopus): 34

Kongre ve Sempozyum Katılımı Faaliyetleri

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TÜBİTAK (ARDEB) ARŞ. DESTEK PROGRAMLARI BAŞKANLIĞI, Panelist, Ankara, Türkiye, 2019
TÜBİTAK (BİDEB) BİLİM İNSANI DEST. DAİRE BAŞKANLIĞI, Panelist, Ankara, Türkiye, 2019
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International Conference on Mechanical and Production Engineering, Çalışma Grubu, Nonthaburi, Tayland, 2015
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TÜBİTAK TEYDEP , Panelist, Ankara, Türkiye, 2015
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